

AI, INNOVATION AND DATA-DRIVEN LEADERSHIP COURSES

Unlock the power of Artificial Intelligence (AI), data and innovation to drive smarter decisions, accelerate transformation and create organisational impact. Our range of short courses and programmes equips professionals with practical, future-focused skills in AI, data analytics, innovation management, critical thinking, digital transformation, technology commercialisation and leadership. Whether you want to leverage AI for greater productivity, turn data into strategic insights, drive innovation, or lead confidently in an increasingly AI-powered world, these courses provide the knowledge and tools to thrive in the digital economy.

Artificial Intelligence for Engineers From Embedded AI to Edge Intelligence

This course equips practising engineers with industry-ready skills in embedded and edge artificial intelligence (Edge AI), covering lightweight AI model deployment, on-device inference, and application development using LiteRT and MediaPipe Tasks. Through lectures, workshops and demonstrations, participants learn the complete Edge AI workflow, optimise models for resource-constrained devices, integrate intelligent systems into projects, and drive innovation in Industry 4.0 and edge computing applications.



AI for Legal Practitioners

This course enhance your legal practice with the power of Artificial Intelligence and Generative AI. Learn how to improve legal research, drafting, document analysis, case evaluation, and decision-making, while developing prompt-engineering skills to generate accurate, reliable, and defensible outputs



AI for Project Success: From Basics to ChatGPT in Action

This course combines foundational theory with hands-on practice of AI and blockchain in a project management environment, covering the Industrial Revolutions, IoT, big data, machine learning, deep learning, generative AI, prompt engineering with ChatGPT, and blockchain applications. An individual assignment reinforces these skills in real-world project contexts, enabling delegates to apply their learning immediately.

★ 2 ECSA CPD Points

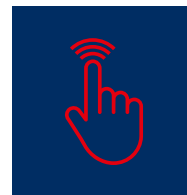


Business solutions. Academic credibility.

Artificial Intelligence for Complex Systems (AI - CS)

This course explores complex systems and their integration with artificial intelligence (AI), focusing on real-world applications in power and energy. Participants learn how complex systems are structured as distributed systems, examine AI types, development methods and Distributed AI (DAI), and explore AI applications in the electric power grid and climate change, equipping them to address the challenges of modern systems using AI.

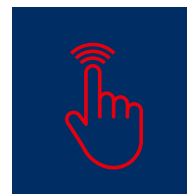
★ 5 ECSA CPD Points



Driving Productivity with AI, Digital Tools & Change Strategies

This course equips professionals and leaders to work smarter with AI, covering productivity tools such as Microsoft Copilot, Excel, Word and Outlook; collaboration tools including Teams, SharePoint, OneDrive and Zoom; and automation and AI tools such as Power Automate and Power BI. Participants also gain change management strategies to drive adoption, overcome resistance and lead digital transformation, enabling them to thrive in an AI-powered workplace.

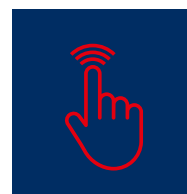
★ 5 ECSA CPD Points



Remote Sensing Data Analysis in Google Earth Engine: A Machine Learning Perspective

This course covers the principles of satellite and drone remote sensing and remote sensing data analysis using machine learning in Google Earth Engine. Participants explore big data processing, land use and land cover applications, agriculture and rangelands, and apply machine learning methods such as neural networks and tree-based models for classification, regression and performance evaluation in real-world geospatial environments.

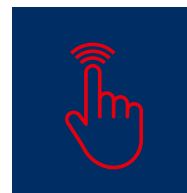
★ 3 SAGC CPD Points | 3 SACNASP CPD Points



Spatial Data Science

This course introduces spatial data science, focusing on spatial data and analysis to understand where and why things happen. Participants learn how to incorporate spatial correlation for accurate model interpretation and explore applications in poverty alleviation, climate, environment, agriculture and epidemiology. The course addresses the growing need for spatial data scientists and statisticians across industry and academia in South Africa.

★ 2 ECSA CPD Points | 2 SACNASP CPD Points



Additional courses:

- 4.0D™ Leadership Development Programme
- A Practical Guide to Successfully Collect and Analyse (usable) Data
- AI and Data Science as a professional tool
- Analytical and Systems Thinking Skills
- Analytical Methods in Geotechnical Engineering
- Analytical Report Writing for Specialists
- Business Innovation Development Strategies
- Critical and analytical thinking in practice
- Critical, Analytical and Strategic Thinking in Practice
- Cultivating Creativity: An Action Thinking Course for Innovation
- Data Analysis - An Introduction Approach
- Data Analysis and Data Analytics
- Data Informed Decision Making
- Data Management and Data Skills Programme
- Data Science for Finance Professionals
- Database Design
- Data-driven Innovation
- Digital Revolution Programme
- Executive Course on Science, Technology and Innovation Policy for Sustainable Development
- From Data to Insights: For Improved Business Decisions
- Innovation and Creative Thinking
- Innovation and Technology Commercialisation
- Innovation in Industrialisation
- Innovation in Medical Applications
- Learning Python for Business Data Analysis
- People Data Analytics
- Programme in Innovation and Technology Management (PITM)
- Programme in Innovation Management (PIM)
- Programme in Innovative Facilitating of Learning
- Property Data Collection
- Quantitative Data Analysis using SPSS
- Spatial Databases with PostGIS
- Technological Entrepreneurship and Innovation

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